

International Application No  
PCT/US2004/025604

**A. CLASSIFICATION OF SUBJECT MATTER**

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07K16/28 C12N15/68 C12N5/10 A61K39/395 C12N15/13  
C07K14/60

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, Sequence Search, BIOSIS, EMBASE, PAJ, WPI Data

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MURAKAMI N ET AL: "Role for central ghrelin in food intake and secretion profile of stomach ghrelin in rats" JOURNAL OF ENDOCRINOLOGY, BRISTOL, GB, vol. 174, no. 2, August 2002 (2002-08), pages 283-288, XP009022559 ISSN: 0022-0795 cited in the application abstract figure 1	1-39
X	----- EP 1 197 496 A (KANGAWA, KENJI) 17 April 2002 (2002-04-17) cited in the application paragraph '0226! example 16 claims 46,48	1-36,39, 40
Y	-----	37,38

-/--

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents :

**"A" document defining the general state of the art which is not considered to be of particular relevance**

\*E\* earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

\*T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

1 April 2005

Date of mailing of the international search report

19/04/2005

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Ulbrecht, M

## INTERNATIONAL SEARCH REPORT

Int

Application No

PCT/US2004/025604

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/87335 A (ELI LILLY AND COMPANY; BRYANT, HENRY, UHLMAN; HEIMAN, MARK, LOUIS) 22 November 2001 (2001-11-22) cited in the application claims 1,7,13-17	39
Y	-----	37, 38
X	HOSODA HIROSHI ET AL: "Ghrelin and des-acyl ghrelin: Two major forms of rat ghrelin peptide in gastrointestinal tissue" BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol. 279, no. 3, 29 December 2000 (2000-12-29), pages 909-913, XP002322694 ISSN: 0006-291X abstract page 909, right-hand column, paragraph 3 figure 1	1-36, 39, 40
Y	-----	37, 38
X	ARIYASU H ET AL: "Stomach is a major source of circulating ghrelin, and feeding state determines plasma ghrelin-like immunoreactivity levels in humans" ENDOCRINOLOGY, BALTIMORE, MD, US, vol. 86, no. 10, October 2001 (2001-10), pages 4753-4758, XP002223632 ISSN: 0013-7227 page 4754, right-hand column, paragraph 1	1-36, 39, 40
Y	-----	37, 38
A	DATABASE Geneseq 'Online! 13 August 2001 (2001-08-13), "Murine anti-PI-3,4-P2 antibody light chain variable region." XP002322695 retrieved from EBI accession no. GSN:AAB97194 Database accession no. AAB97194 the whole document	1, 4, 5, 25-28
A	DATABASE Geneseq 'Online! 13 August 2001 (2001-08-13), "Murine anti-PI-3,4-P2 Ig light chain CDR1." XP002322696 retrieved from EBI accession no. GSN:AAB97198 Database accession no. AAB97198 the whole document	1, 4, 5, 25-28
	----- -/--	

# INTERNATIONAL SEARCH REPORT

In International Application No  
PCT/US2004/025604

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>HOLT L J ET AL: "Domain antibodies: proteins for therapy" TRENDS IN BIOTECHNOLOGY, ELSEVIER PUBLICATIONS, CAMBRIDGE, GB, vol. 21, no. 11, November 2003 (2003-11), pages 484-490, XP004467495 ISSN: 0167-7799 abstract page 485, left-hand column, paragraph 1 -----</p>	1-40

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2004/025604

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 37, 38  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claims 37 and 38 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

Not Available Copy

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/025604

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1197496	A	17-04-2002	AU 6023100 A	13-02-2001
			BR 0012688 A	16-04-2002
			CA 2380058 A1	01-02-2001
			EP 1197496 A1	17-04-2002
			JP 3471780 B2	02-12-2003
			CN 1362968 A	07-08-2002
			WO 0107475 A1	01-02-2001
			JP 2004000251 A	08-01-2004
WO 0187335	A	22-11-2001	AU 5905601 A	26-11-2001
			EP 1286697 A2	05-03-2003
			WO 0187335 A2	22-11-2001